

BRIAN E. ROBINSON, PH.D.

McGill University
Department of Geography
805 Sherbrooke Street West
Montréal, QC H3A 0B9, Canada

brian.e.robinson@mcgill.ca
brianerobinson.com | @berobinson.bsky.social
office: (514) 398-3453

ACADEMIC APPOINTMENTS

2019 – Associate Professor, McGill University
2013 – 2019 Assistant Professor, McGill University
2011 – 2013 Global Environmental Leadership Fellow, University of Minnesota & the Natural Capital Project

AFFILIATIONS

2025 – 28 Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES), Second Global Assessment, Lead Author
2019-20 Visiting Professor, King's College London
2016 – Associate Member, McGill School of Environment
2016 – Associate Member, McGill Institute for the Study of International Development
2015 – Associate Member, McGill Center for Population Dynamics
2012 – 19 Research Affiliate, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences

EDUCATION

2011 PhD, University of Wisconsin-Madison
Dissertation: *Getting more from forests: the effects of management, competition, and spatial characteristics on forest livelihoods*
2005 Master in City Planning, Massachusetts Institute of Technology (MIT)
Master in Env. Engineering, Massachusetts Institute of Technology (MIT)
1999 Bachelor of Science, Georgia Institute of Technology (Georgia Tech)

A. RESEARCH

PEER-REVIEWED PUBLICATIONS (* = co-lead authorship; __ = advisee)

H-index: 35 (Google Scholar); 31 (Web of Science)

2025

92. Destremps C, Rieb JT, Clark J, Torchio GM, **Robinson BE**, Poulin P, Bennett EM. 2025. “Using old fields for new purposes: Ecosystem service outcomes of restoring marginal agricultural land to forests” *Landscape Ecology*. 40(7):126. 10.1007/s10980-025-02121-0.

91. Li XY, Brehmer C, Hirst K, Sternbach T, Yuan WL, Zhang X, Barrington-Leigh C, Baumgartner J, Harper S, **Robinson BE**, Shen GF, Tao S, Zhang YX, Carter E. 2025. “Multi-year Evaluation of a Clean Heating Policy on Residents' Air Pollution Exposures in Beijing, China” *Environmental Science & Technology*. 59(45):24347-24358. doi: 10.1021/acs.est.5c05769.

90. Howard B, Simon M, Agyei-Mensah S, Nahin K, Quayyum Z, **Robinson BE**, Buytaert W. 2025. “Four principles of transformative adaptation to climate change-exacerbated hazards in informal settlements” *WIREs Climate Change*. 16(3): e70008. doi: 10.1002/wcc.70008.

89. Ma J, Zhu XY, Li XY, Zhang X, Zhao FX, Zhao AQ, Xue KB, Song QP, Wang LJ, Zhang X, Carter E, Harper S, **Robinson BE**, Baumgartner J, Zhang YX. “Investigating indoor VOC complexities in rural Beijing: Environmental, resident behavioral, and household energy-use paradigms” 2025. *Building and Environment*. 279:113042. 10.1016/j.buildenv.2025.113042.

88. Virgili-Gervais G, Schmidt AM, Bixby HR, Cavanaugh AC, Owusu G, Agyei-Mensah S, Robinson BE, Baumgartner JC. 2024. “Mapping socio-economic status using mixed data: a hierarchical Bayesian approach” *Journal of the Royal Statistical Society Series A: Statistics in Society*. 188(3):qnae080. doi: 10.1093/rsssa/qnae080.

87. Zayonc D, **Robinson BE**, Abizaid C, Takasaki Y, Coomes O. 2025. “Use of community characteristics to predict hunting and game harvests in western Amazonian forests” *Conservation Biology*. doi: 10.1111/cobi.70016

86. Chang CH, Cook-Patton S, Erbaugh, JT, Lu L, Molnár I, Papp D, **Robinson BE**, Masuda, Y. J. 2025. “New opportunities and challenges for conservation evidence synthesis from advances in natural language processing” *Conservation Biology*. 39(2):e14464. doi: 10.1111/cobi.14464

85. Nathvani R, Cavanaugh AC, ... **Robinson BE**, ... Ezzai M. 2025. “Measurement of urban vitality with time-lapsed street-view images and object-detection for scalable assessment of pedestrian-sidewalk dynamics” *ISPRS Journal of Photogrammetry and Remote Sensing*. 221:251-264. doi: 10.1016/j.isprsjprs.2025.01.038.

84. Dade MC, Bonn A, Eigenbrod F, Felipe-Lucia MR, Fisher B, Goldstein B, Holland R, Hopping K, Lavorel S, le Polain de Waroux Y, MacDonald GK, Mandle L, Metzger JP, Pascual U, Rieb JT, Vallet A, Wells GJ, Ziter CD, Bennett EM, **Robinson BE**. 2025. “Landscapes - A Lens for Assessing Sustainability” *Landscape Ecology*. 40(28). doi: 10.1007/s10980-024-02007-7.

83. Zhang Y, Thierry H, Denman LC, Parrott L, Poulin M, Sherren K, Van Proosdij D, **Robinson BE**. 2025. “Servicesheds connect people to the landscapes upon which they depend.” *People & Nature*. 7(1): 112-126. doi: 10.1002/pan3.10762.

82. Chang CH*, Erbaugh, JT*, Fajardo, P*, Lu L*, Molnár I*, Papp D*, **Robinson BE*** ... Masuda, Y. J*. 2025. “Global Evidence of Human Well-Being and Biodiversity Impacts of Natural Climate Solutions.” *Nature Sustainability*. 8: 75-85. Archived preprint: 10.48550/ARXIV.2405.00079

2024

81. Holzer JM, Awada T, Baird J, Bennett EM, Borer ET, Calderon-Contreras R, Groffman PM, Grove JM, Harvey B, Hickey GM, Hobbs I, Humphries MM, Metzger MJ, Orenstein DE, **Robinson BE**, Watt AD, Winkler KJ, Asif F. 2024. “Managing environmental knowledge networks to navigate complexity” *Ecology & Society*. 29(4): 4. doi: 10.5751/ES-15493-290404

80. Cavanaugh AC, Bixby HR, Mangwani S, Agyei-Mensah S, Azochiman Awuni C, Baumgartner JC, Owusu G, **Robinson BE**. 2024. From Consumption to Context: Assessing Poverty and Inequality across Diverse Socio-Ecological Systems in Ghana. *Environmental Research Communications*. 6: 091009. doi: 10.1088/2515-7620/ad76ff

79. Michal V, Wakefield J, Schmidt AM, Cavanaugh AC, **Robinson BE**, Baumgartner J. 2024. “Model-Based Prediction for Small Domains Using Covariates: A Comparison of Four Methods” *Journal of Survey Statistics & Methodology*. 12(5): 1489–1514. doi:10.1093/jssam/smae032.

78. [Pashanejad E](#), Fath B, Kharrazi A, **Robinson BE**, Parrot L. 2024. “[A Functional Connectivity Approach for Exploring Interactions of Multiple Ecosystem Services in the Context of Agricultural Landscapes](#)” *Ecosystem Services*. 68: 101639. doi: 10.1016/j.ecoser.2024.101639.

77. [Zhang X](#), Barrington-Leigh CP, **Robinson BE**. 2024. [Rural Household Energy Transition in China: Trends and Challenges](#). *Journal of Cleaner Production*. 450(15): 141871. doi: 10.1016/j.jclepro.2024.141871

76. [Poissant D](#), Coomes O, **Robinson BE**, Vargas Dávila G. 2024. “[Fishers' ecological knowledge points to fishing-induced changes in the Peruvian Amazon](#)” *Ecological Applications*. 34(5): e2964. doi: 10.1002/eap.2964.

75. Word Ries M, ... **Robinson BE**, ... Cease A. 2024. “[Global perspectives and transdisciplinary opportunities for locust and grasshopper pest management and research](#)” *Journal of Orthopteran Research*. 33(2): 169-216. doi: 10.3897/jor.33.112803

74. [Wells GJ](#), Ryan CM, Das A, Attiwilli S, Poudyal M, Lele S, Schreckenberg K, **Robinson BE**, Keane A, Homewood KM, Jones JP. 2024. “[Hundreds of millions of people in the tropics need both wild harvests and other forms of economic development for their well-being](#)” *One Earth*. 7:311–324. doi: 10.1016/j.oneear.2023.12.001

73. Poudyal M, Kraft F, Wells G, ... **Robinson BE** ... 2024. “[Nature's contribution to poverty alleviation, human wellbeing and the SDGs](#)” *Scientific Data*. 11:229. doi: 10.1038/s41597-024-02967-0

72. [Poissant D](#), Coomes O, **Robinson BE**, Takasaki Y, Abizaid C. 2024. “[Livelihoods and poverty in small-scale fisheries in western Amazonia](#)” *Fisheries Management and Ecology*. 31(1): e12651. doi: 10.1111/fme.12651.

2023

71. [Rieb JT](#), Bennett E, **Robinson BE**. 2023. “[Substitutability of natural and human capitals: lessons from a simple exploratory model](#)” *Ecosystems and People*. 19(1):2281483. doi: 10.1080/26395916.2023.2281483.

70. [Cavanaugh AC](#), Baumgartner J, Bixby H, Schmidt AM, Agyei-Mensah S, Annum SK, Anum J, Arku R, Bennett J, Berkhout F, Ezzati M, Mintah SE, Owusu G, Tetteh JD, **Robinson BE**. 2023. “[Strangers in a strange land: mapping household and neighbourhood associations with wellbeing outcomes in Accra, Ghana](#)” *Cities*. 143:104584. doi: 10.1016/j.cities.2023.104584

69. [Pashanejad E](#), Thierry H, **Robinson BE**, Parrott L. 2023. “[The application of semantic modelling to map pollination service provisioning at large landscape scales](#)” *Ecological Modelling*. 484: 110452. doi: 10.1016/j.ecolmodel.2023.110452.

68. [Lu X](#), Li P, Kalacska M, **Robinson BE**. 2023. “[Environmental impacts of renting rangelands: integrating remote sensing and household surveys at the parcel level](#)” *Environmental Research Letters*. 18(2): 074005. doi: 10.1088/1748-9326/acd8d9.

68. Metzler AB, Nathvani R, Sharmanska V, Bai WJ, Muller E, Moulds S, Agyei-Asabere C, Adjei-Boadi D, Kyere-Gyeabour E, Doku Tetteh J, Owusu G, Agyei-Mensah S, Baumgartner J, **Robinson BE**, Arku RE, Ezzati M. 2023. “[Phenotyping urban built and natural environments with high-resolution satellite images and unsupervised deep learning](#)” *Science of the Total Environment*. 893:164794. doi: 10.1016/j.scitotenv.2023.164794.

67. [MacTavish RC](#), Baumgartner J, Bixby H, [Cavanaugh A](#), **Robinson BE**, Schmidt AM, Agyei-Mensah S, Bawah A, Owusu G, Ezzati M, Arku R. 2023. “[Identifying slum neighbourhoods in the Greater Accra Metropolitan Area of Ghana using census and remote sensing data](#)” *World Development*. 167:106253. doi: 10.1016/j.worlddev.2023.106253.

2022

66. [Peng WJ](#), Zheng H, **Robinson BE**, Li C, Li RN. 2022. “[Comparing the importance of farming](#)”

[resource endowments and agricultural livelihood diversification for agricultural sustainability from the perspective of the food–energy–water nexus](#) *Journal of Cleaner Production*. 380(2):135193. doi: 10.1016/j.jclepro.2022.135193.

65. [Peng WJ, Robinson BE, Zheng H, Li C, Wang FC, Li RN. 2022. “The Limits of Livelihood Diversification and Sustainable Household Well-being, Evidence from China”](#) *Environmental Development*. 43: 100736. doi: 10.1016/j.envdev.2022.100736

64. Li XY, Baumgartner JC, Barrington-Leigh C, Brehmer C, Harper S, **Robinson BE**, Shen G, Sternbach T, Tao S, [Zhang X, Zhang YX, Carter E. 2022. “Field measurements of indoor and community air quality in rural Beijing before, during, and after the COVID-19 lockdown”](#) *Indoor Air*. 32(8): e13095. doi: 10.1111/ina.13095

63. Tetteh JD, Templeton M, [Cavanaugh A, Bixby HR, Baumgartner J, Owusu G, Robinson BE, Bawah AA Moulds S, Mark YS, Annim S, Ezzati M, Arku R. 2022. “Spatial Heterogeneity in Drinking Water Sources in the Greater Accra Metropolitan Area \(GAMA\), Ghana”](#) *Population and Environment*. 44:46–76. doi: 10.1007/s11111-022-00407-y

62. Clark S, Alli AS, Ezzati Majid, Brauer M, Toledano MB, Nimo J, Moses JB, Baah S, Hughes A, [Cavanaugh A, Agyei-Mensah S, Owusu G, Robinson BE, Baumgartner J, Bennett J, Arku R. 2022. “Spatial modelling and inequalities of environmental noise in Accra, Ghana”](#) *Environmental Research*. 214(2): 113932. doi: 10.1016/j.envres.2022.113932

61. [del Giorgio Q, le Polain de Waroux Y, Robinson BE. 2022. “Impacts of agricultural commodity frontier expansion on smallholder livelihoods: an assessment through the lens of access to land and resources in the Argentine Chaco”](#) *Journal of Rural Studies*. 93: 67-80. doi: 10.1016/j.jrurstud.2022.05.014

60. Li XY, Baumgartner JC, Barrington-Leigh C, Harper S, **Robinson BE**, Shen G, Sternbach T, Tao S, [Zhang X, Zhang YX, Carter E. 2022. “Socio-economic and demographic associations with wintertime air pollution exposures at household, community, and district scales in rural Beijing, China”](#) *Environmental Science & Technology*. 56(12): 8308–8318. doi: 10.1021/acs.est.1c07402

59. Garcia CA, Savilaakso S, Verburg RW, Stoudmann N, Fernbach P, Sloman SA, Peterson GD, Araújo MB, Bastin JF, Blaser J, Boutinot L, Crowther TW, Dessard H, Dray A, Francisco S, Ghazoul J, Feintrenie L, Hainzelin E, Kleinschroth F, Naimi B, Novotny IP, Oszwald J, Pietsch SA, Quétier F, **Robinson BE**, Sassen M, Sist P, Sunderland T, Vermeulen C, Wilmé L Wilson SJ, Zorondo-Rodríguez F, Waeber PO. 2022. [“Strategy games to improve environmental policymaking”](#) *Nature Sustainability*. 5: 464–471. doi: 10.1038/s41893-022-00881-0.

58. [Dade M, Bennett E, Robinson BE. 2022. “Property rights play a pivotal role in the distribution of ecosystem services among beneficiaries”](#) *Ecosystems and People*. 18(1): 131-145. doi: 10.1080/26395916.2022.2037715.

57. Bixby H, Bennett JE, Bawah AA, Arku RE, Annim SK, Anum JD, Mintah SE, Schmidt AM, Agyei-Asabere C, **Robinson BE**, [Cavanaugh A, Agyei-Mensah S, Owusu G, Ezzati M, Baumgartner JC. 2022. “Quantifying within-city inequalities in child mortality across neighbourhoods in Accra, Ghana: a Bayesian spatial analysis”](#) *BMJ Open*. 12(1): e054030. doi: 10.1136/bmjopen-2021-054030

56. Baumgartner JC, Rodriguez J, Berkhout F, Doyle Y, Ezzati M, Owuso G, Quayyum Z, Solomon B, Winters M, Adamkiewicz G, **Robinson BE**. 2022. [“Synthesizing the links between secure housing tenure and health for more equitable cities”](#) *Wellcome Open Research*. 7(18): 1-18. doi: 10.12688/wellcomeopenres.17244.1

2021

55. Bennett E, Morrison P, Holzer JM, Winkler KJ, Fraser EDG, Green SJ, **Robinson BE**, Sherren K, Botzas-Coluni J, Palen W. 2021. [“Facing the challenges of using place-based social-ecological research to support ecosystem service governance at multiple scales”](#) *Ecosystems and People*. 17(1):

574-589. doi: 10.1080/26395916.2021.1995046

54. **Tseng TW, Robinson BE**, Bellemare MF, BenYishay A, Blackman A, Boucher T, Childress M, Holland MB, Kroeger T, Linkow B, Diop M, Naughton L, Rudel T, Sanjak J, Shyamsundar P, Veit P, Sunderlin W, Zhang W, Masuda YJ. 2021. “[Influence of land tenure interventions on human well-being and environmental outcomes](#)” *Nature Sustainability*. 4: 242-251. doi: 10.1038/s41893-020-00648-5

53. **Thierry H**, Parrott L, **Robinson BE**. 2021. “Next steps for ecosystem service models: integrating complex interactions and beneficiaries” *FACETS*. 6:1649-1669. doi: 10.1139/facets-2020-0116.

52. Baijnath-Rodino JA, Albizua A, Sushama L, Bennett E, **Robinson BE**. “[Determining Freshwater Lake Communities' Vulnerability to Snowstorms in the Northwest Territories](#)” *Water*. 13(13): 1816. doi: 10.3390/w13131816.

51. Li RN, Zheng H, O'Connor P, Xu HS, Li YK, Lu F, **Robinson BE**, Ouyang ZY, Hai Y, Daily GC. “[Time and space catch up with restoration programs that ignore ecosystem service tradeoffs](#)” *Science Advances*. 7(14):eabf8650. doi: 10.1126/sciadv.abf8650.

50. **Schreiber K**, Hickey G, Metson G, **Robinson BE**, MacDonald G. 2021. “[Quantifying the foodshed: A systematic review of urban food flow and local food self-sufficiency research](#)” *Environmental Research Letters*. 16: 023003. doi: 10.1088/1748-9326/abad59.

49. **Sohns A**, Ford J, Adamowski J, **Robinson BE**. 2021. “[Participatory Modeling of Water Vulnerability in Remote Alaskan Households Using Causal Loop Diagrams](#)” *Environmental Management*. 67: 26–42. doi: 10.1007/s00267-020-01387-1.

48. Mandle L, Shields-Estrada A, Chaplin-Kramer R, Mitchell MGE, Bremer LL, Gourevitch JD, Hawthorne P, Johnson JA, **Robinson BE**, Smith JR, Sonter LJ, Verutes GM, Vogl AL, Daily GC, Ricketts TH. 2021. “[Increasing decision relevance of ecosystem service science](#)” *Nature Sustainability*. 4:161–169. doi: 10.1038/s41893-020-00625-y.

2020

47. **Crook D, Robinson BE**, Li P. 2020. “[The impact of snowstorms, droughts and locust outbreaks on livestock in Inner Mongolia: anticipation and adaptation to environmental shocks](#)” *Ecological Economics*. 177:106761. doi: 10.1016/j.ecolecon.2020.106761.

46. Guo YN, Zheng H, Wu T, Wu J, **Robinson BE**. 2020. “[A review of spatial targeting methods of payment for ecosystem services](#)” *Geography & Sustainability*. 1(2): 132-140. doi: 10.1016/j.geosus.2020.04.001.

45. MacDonald GK, Talbot J, Moore T, Arsenault J, McCourt S, **Goertzen A**, Kessler-Nadeau ME, Manaugh K, Maranger R, **Robinson BE**. “[Geographic versus institutional drivers of nitrogen footprints: A comparison of two urban universities](#)” *Environmental Research Letters*. 15(4):045008. doi: 10.1088/1748-9326/ab70bf.

44. Garcia CA, Savilaakso S, Verburg RW, Gutierrez V, Wilson SJ, Krug CB, Sassen M, **Robinson BE**, Moersberger H, Naimi B, Rhemtulla JM, Dessard H, Gond V, Vermeulen C, Trolliet F, Oswald J, Quétier F, Pietsch SA, Bastin JF, Dray A, Araújo MB, Ghazoul J, Waeber PO. 2020. “[The Global Forest Transition as a Human Affair](#)” *One Earth*. 2(5):417-428. doi: 10.1016/j.oneear.2020.05.002

43. Masuda YJ, Kelly A, **Robinson BE**, Holland MB, Bedford C, Childress M, Game ET, Ginsburg C, Hilhorst T, Lawry S, Miteva D, Musengezi J, Naughton-Treves L, Sunderlin WD, Veit P. 2020. “[How do practitioners characterize land tenure security?](#)” *Conservation Science & Practice*. 2(5):e186. doi: 10.1111/csp2.186

42. **Boudet E**, MacDonald GK, **Robinson BE**, Samberg LH. 2020. “[Rural-urban connectivity and agricultural land management across the Global South](#)” *Global Environmental Change*. 60:101982. doi:10.1016/j.gloenvcha.2019.101982

41. **Byrne A**, Hadrich J, **Robinson BE**, Han GD. “[A factor-income approach to estimating grassland](#)

[protection subsidy payments to livestock herders in Inner Mongolia, China](#)” *Land Use Policy*. 91:104352. doi: 10.1016/j.landusepol.2019.104352

40. Carter E, Yan L, Fue Y, **Robinson BE**, Kelly F, Elliott P, Wu Y, Zhao L, Ezzati M, Yang X, Chan Q, Baumgartner J. 2020. “[Who Stops Using Solid Fuel? Household Transitions to Clean Energy in a Multi-Provincial Cohort Study in China](#)” *Nature Sustainability*. 3(1):42-50. doi: 10.1038/s41893-019-0432-x

2019

39. Tallis H, Kries K, Olander L, Ringler C, Ameyaw D, ... **Robinson BE**, ... Zobrist S. 2019. “[Aligning Evidence Generation and Use Across Health, Development, and Environment](#)” *Current Opinion on Environmental Sustainability*. 39:81-93. doi:10.1016/j.cosust.2019.09.004

38. Berry K, Fenichel E, **Robinson BE**. 2019. “[The Ecological Insurance Trap](#)” *Journal of Environmental Economics & Management*. 98:102251. doi:10.1016/j.jeem.2019.102251

37. Chaplin-Kramer R, O'Rourke M, Schellhorn N, Zhang W, **Robinson BE**, Gratton C, Rosenheim J, Tscharntke T, Karp DS. 2019. “[Measuring what matters: actionable information for the landscape ecology of conservation biocontrol](#)” *Frontiers in Sustainable Food Systems*. 3:60. doi:10.3389/fsufs.2019.00060

36. Barrington-Leigh C, Baumgartner J, **Robinson BE**, Carter E, Tao S, Zhang Y. 2019. “[An evaluation of air quality, home heating and well-being under Beijing's programme to eliminate household coal use](#)” *Nature Energy*. 4: 416-423. doi:10.1038/s41560-019-0386-2

35. Wang LJ, Zheng H, Zhi W, Liu L, **Robinson BE**, Li RL, Li C, Kong LQ. 2019. “[Ecosystem service synergies/trade-offs informing the supply-demand match of ecosystem services: framework and application](#)” *Ecosystem Services*. 37:100939. doi:10.1016/j.ecoser.2019.100939

34. Peng WJ, **Robinson BE**, Zheng H, Li C, Wang FC, Li RN. 2019. “[Telecoupled sustainable livelihoods in an era of rural-urban dynamics: the case of China](#)” *Sustainability*. 11(9):2716. doi:10.3390/su11092716

33. Sohns A, Ford J, Riva M, **Robinson BE**, Adamowski J. (2019) “[Water vulnerability in remote Arctic households](#)” *Arctic*. 72(3): 215-335. doi:10.14430/arctic68884

32. Sohns A, Ford J, **Robinson BE**, Adamowski J. (2019) “[What conditions are associated with household water vulnerability in the Arctic?](#)” *Environmental Science & Policy*. 97: 95-105. doi:10.1016/j.envsci.2019.04.008.

31. Zheng H, Wang LJ, Peng WJ, Zhang CP, Li C, **Robinson BE**, Wu XC, Kong LQ, Li RN, Xiao Y, Xu WH, Ouyang ZY, Daily G. (2019) “[Realizing the Values of Natural Capital for Inclusive, Sustainable Development: Informing China's New Ecological Development Strategy](#)” *Proceedings of the National Academies of Sciences*. 116(17):8623-8628. doi:10.1073/pnas.1819501116.

30. **Robinson BE**, Zheng H, Peng WJ. 2019. “[Disaggregating livelihood dependence on ecosystem services to inform land management](#)” *Ecosystem Services*. 36:100902. doi:10.1016/j.ecoser.2019.100902.

29. Ramirez-Reyes C, Chaplin-Kramer R, Galford GL, Adamo SB, Anderson CB, Anderson C, Allington GR, Bagstad KJ, Coe MT, Cord AF, Dee LE, Gould RK, Jain M, Kowal VA, Muller-Karger F, Norriss J, Potapov P, Qiu J, Rieb JT, **Robinson BE**, Samberg LH, Singh N, Szeto SH, Voigt B, Watson K, Wright TM, Brauman K. 2019, “[Reimagining the Potential of Earth Observations for Ecosystem Services Assessment](#)” *Science of the Total Environment*. 665:1053-1063. doi:10.1016/j.scitotenv.2019.02.150.

28. Word ML, Hall SJ; **Robinson BE**, Manneh B, Beye A, Cease A. 2019. “[Soil-targeted interventions could alleviate locust and grasshopper pest pressure in West Africa](#)” *Science of the Total Environment*. 663:632-643. doi:10.1016/j.scitotenv.2019.01.313.

27. Ma S, Smailes M, Zheng H, **Robinson BE**. 2019. “[Who is vulnerable to ecosystem service change?](#)”

["Reconciling locally disaggregated ecosystem service supply and demand"](#) *Ecological Economics*. 157:312-320. doi:10.1016/j.ecolecon.2018.11.026

2018

26. [Rahman HMT](#), Mia EM, Ford J, **Robinson BE**, Hickey G. 2018. "[Livelihood exposure to climatic stresses in the north-eastern floodplains of Bangladesh](#)" *Land Use Policy*. 79:199-214. doi:10.1016/j.landusepol.2018.08.015.
25. [Rahman HMT](#), **Robinson BE**, Ford J, Hickey G. 2018. "[How do capital asset interactions affect livelihood sensitivity to climatic stresses? Insights from the northeastern floodplains of Bangladesh](#)" *Ecological Economics*. 150:165-176. doi:10.1016/j.ecolecon.2018.04.006.
24. **Robinson BE**, Masuda Y, Kelly A, Holland MB, Bedford C, Childress M, Fletschner D, Game E, Ginsburg C, Hilhorst T, Lawry S, Miteva D, Musengezi J, Naughton-Treves N, Nolte C, Sunderlin W, Veit P. 2018. "[Incorporating land tenure security in conservation](#)" *Conservation Letters*. 11(2):e12383. doi: 10.1111/conl.12383.
23. Li P, Hadrich J, **Robinson BE**, Hou YL, Dai YT, Hou XY. 2018. "[How do herders do well? Livestock grazing profitability potential in Inner Mongolia China across ecosystem types](#)" *The Rangeland Journal*. 40(1):77-90. doi: 10.1071/RJ17100.
22. [Rieb JT](#), Chaplin-Kramer R, Daily GC, Armsworth PR, Böhning-Gaese K, Bonn A, Cumming GS, Eigenbrod F, Grimm V, Jackson BM, Marques A, Pattanayak SK, Pereira H, Peterson GD, Ricketts TH, **Robinson BE**, Schröter M, Schulte LA, Seppelt R, Turner MG, and Bennett EM. 2018. "[Response to Kabisch and Colleagues](#)" *BioScience*. 68(3):167-168. doi: 10.1093/biosci/bix154.

2017

21. **Robinson BE**, Li P, Hou XY. 2017. "[Institutional change in social-ecological systems: the evolution of grassland management in Inner Mongolia](#)" *Global Environmental Change*. 47: 64-75. doi: 10.1016/j.gloenvcha.2017.08.012.
20. Cullen DA, Cease AJ, Latchininsky AV, Ayali A, Berry K, Buhl J, De Keyser R, Foquet B, Hadrich JC, Matheson T, Ott SR, Poot-Pech MA, **Robinson BE**, Smith JM, Song H, GA, Vanden Broeck J, Verdonck R, Verlinden H, Rogers SM. 2017. "[From Molecules to Management: Mechanisms and Consequences of Locust Phase Polyphenism](#)" *Advances in Insect Physiology*. 53: 167-285.
19. [Rieb JT](#), Chaplin-Kramer R, Daily GC, Armsworth PR, Böhning-Gaese K, Bonn A, Cumming GS, Eigenbrod F, Grimm V, Jackson BM, Marques A, Pattanayak SK, Pereira H, Peterson GD, Ricketts TH, **Robinson BE**, Schröter M, Schulte LA, Seppelt R, Turner MG, and Bennett EM. 2017. "[When, Where, and How Nature Matters for Ecosystem Services: Challenges for the Next Generation of Ecosystem Service Models](#)" *Bioscience*. 67(9): 820-833. doi: 10.1093/biosci/bix075.
18. Wang LJ, Zheng H, Zhao H, **Robinson BE**. 2017. "[Nitrogen balance dynamic during 2000-2010 in the Yangtze River Basin croplands, with special reference to the relative contributions of arable area and synthetic fertilizer N application rate changes](#)" *PLoS ONE*. 12(7): e0180613. doi: 10.1371/journal.pone.0180613
17. **Robinson BE**, Holland M, Naughton-Treves L. 2017. "[Community land titles alone will not protect forests](#)" *Proceedings of the National Academy of Sciences*. 114(29): e5764. doi: 10.1073/pnas.1707787114. (letter).
16. [Peng WJ](#), Zheng H, **Robinson BE**, Cong L, Wang FC. 2017. "[Household livelihood strategy choices, impact factors and environmental consequences in Miyun reservoir watershed, China](#)" *Sustainability*. 9(2): 175. doi: 10.3390/su9020175.
15. [Cheng C](#), **Robinson BE**, Xiao Y, Ouyang ZY, Rao E. 2017. "[The increasing value of China's environment for recreation: the case of Jiuzhaigou, Sichuan](#)" *Environmental Engineering and Management Journal*. 16(12):2665-2672.

2016

14. Zheng H, Li YF, **Robinson BE**, Liu G, Ma DC, Wang FC, Ouyang ZY, Daily G. 2016. “[Using ecosystem-service tradeoffs to inform water conservation policies and management practices](#)” *Frontiers in Ecology & Environment*. 14(10): 527-532. doi: 10.1002/fee.1432.
13. **Robinson BE**. 2016. “[Conservation versus livelihoods: spatial management of non-timber forest product harvests in a two-dimensional model](#)” *Ecological Applications*. 26(4): 1170-1185. doi: 10.1890/14-2483.1.
12. Holland TG, Coomes OT, **Robinson BE**. 2016. “[Evolving frontier land markets and the opportunity cost of sparing forests in western Amazonia](#)” *Land Use Policy*. 58: 456–471. doi: 10.1016/j.landusepol.2016.08.015.
11. van Vliet J, Magliocca N, Büchner B, Cook E, Beneyas JMR, Ellis EC, Heinemann A, Keys E, Lee TM, Liu J, Mertz O, Meyfroidt P, Moritz M, Christopher Poeplau, **Robinson BE**, Seppelt R, Seto K, Verburg PH. 2016. “[Meta-studies in land system science: current coverage and prospects](#)” *Ambio*. 45(1): 15-28. doi: 10.1007/s13280-015-0699-8.

2015 and earlier

10. Cease AJ, Elser JJ, Fenichel EP, Hadrich, JC, Harrison JF, **Robinson BE**. 2015. “[Living with locusts: connecting soil nitrogen, locust outbreaks, livelihoods, and livestock markets](#)” *BioScience*. 65: 551-558. doi: 10.1093/biosci/biv048.
09. **Robinson BE**, Holland M, Naughton-Treves L. 2014. “[Does Secure Land Tenure Save Forests? A meta-analysis of the relationship between land tenure and tropical deforestation](#)” *Global Environmental Change*. 29: 281-293. doi: 10.1016/j.gloenvcha.2013.05.012.
08. Holland MB, de Koning F, Morales M, Naughton-Treves L, **Robinson BE**, Suarez L. 2014. “[Complex Tenure and Deforestation: Implications for Conservation Incentives in the Ecuadorian Amazon](#)” *World Development*. 55: 21-36. doi: 10.1016/j.worlddev.2013.01.012.
07. **Robinson BE***, Zheng H*, Liang YC, Polasky S, Ma DC, Wang FC, Ruckelshaus M, Ouyang ZY, Daily GC. 2013. “[The benefits, costs and livelihood implications of a regional payment for ecosystem service program](#)” *Proceedings of the National Academy of Sciences*. 110(41): 16681-6. doi: 10.1073/pnas.1312324110.
06. **Robinson BE**, Provencher B and Lewis, D. 2013. “[Managing wild resources: institutional choice and the recovery of resource rent in southwest China](#)” *World Development*. 48: 120-132. doi: 10.1016/j.worlddev.2013.04.004.
05. Dong M, **Robinson BE**, Luo M, Chen P, Zhang G. 2012. “[A Comparative Study of Matsutake Mushroom Collection and Economic Implications](#)” *Forestry Economics*. 2: 82-87 (in Chinese). <https://doi.org/10.13843/j.cnki.lyjj.2012.02.008>.
04. van den Hoek J, Baumgartner J, Doucet-Berger E, Hildebrandt T, **Robinson BE**, Zinda, JA. 2012. “[Understanding the Challenges and Rewards of Social-Ecological Research in China](#)” *Society & Natural Resources*. 25(12). doi: 10.1080/08941920.2012.658985.
03. **Robinson BE***, Baumgartner J*. 2011. “[Cultivating a demand for clean cookstoves](#)” *Science*. 334(6063): 1636. doi: 10.1126/science.334.6063.1636-b. (letter)
02. Lewis D, Barham B, **Robinson BE**. 2011. “[Are there spatial spillovers in the adoption of clean technology? The case of organic dairy farming](#)” *Land Economics*. 87(2): 250-267. doi: 10.1353/lde.2011.0030.
01. Yang XF, Wilkes A, Yang YP, Xu JC, Geslani CS, Gao F, Yang J, **Robinson BE**. 2009. “[Common and Privatized: Conditions for Wise Management of Matsutake Mushroom in NW Yunnan Province, China](#)” *Ecology and Society*. 14(2).

BOOKS

Holland MB, Mastuda YM, **Robinson BE** (editors). 2022. “[Land Tenure Security and Sustainable Development](#).” Palgrave/Springer-Nature.

REPORTS & BOOK EXCERPTS

McGill University & RRI. November 2024. [Policy Brief: State of Indigenous Peoples', Local Communities', and Afro-descendant Peoples' Carbon Rights in Tropical and Subtropical Lands and Forests](#). <https://doi.org/10.53892/OFGY6987>

Jodoin S, **Robinson BE**, MacRae-Korobkov S. Dec 2020. “An Overview of REDD+ Readiness and Forest Tenure in 18 FCPF Carbon Fund Countries”. Report submitted to *Rights and Resources Initiative*.

Chaplin-Kramer R, Bennett E, **Robinson BE**, Brauman K, Daily G, West P. 2019. “Chapter 4: Determining the value of ecosystem services in agriculture.” in *Agricultural resilience: perspectives from ecology and economics*. ed. Sarah Gardner S, Ramsden S, & Hails R. Ecological Reviews Publications.

Dupre S, Holland MB, Baker JR, Miller KL, Gordon LM, Kelly AC, Masuda Y, **Robinson BE**. 2018. “The Impact of Tenure Interventions on Forests and Livelihoods in Tropical Conservation Areas: A Systematic Map” CIFOR Working paper.

Robinson BE, Binder S, Ruckelshaus M, Arkema K, Daily G, Polasky S, Rosenthal A. 2013. “Measuring infrastructure’s impact on livelihoods through ecosystem change.” Report submitted to the Rockefeller Foundation.

Robinson BE, Naughton-Treves L, Holland M. 2010. “Does land tenure impact deforestation? A review of recent literature” Land Tenure Center Policy Memo, delivered to USAID.

Robinson BE. 2010. “Mushrooms and the Tragedy of the Commons” Book Excerpt in *Mushrooms in Forests and Woodlands: Resource Management, Values & Livelihoods*. ed. AB Cunningham and XF Yang. Earthscan Press.

Bruce JW, Lastarria-Cornhiel S, Holland MB, **Robinson BE**, Naughton-Treves L, Wendland KJ. 2010. “Key Concepts and terms related to land tenure and property rights for forest conservation based on direct incentives” Book chapter in *Seguridad En La Tenencia De La Tierra E Incentivos Para La Conservación De Los Bosques*. ed. M Morales, et al. Ecolex, Quito, Ecuador. (in Spanish).

Rajagopal B... **Robinson BE**. 2006. “From Promise To Performance: Ecological Sanitation as a Step Toward the Elimination of Manual Scavenging in India” MIT Center for International Studies.

ENGAGEMENT & COMMUNICATIONS

Nature Research Communities. 2024. Behind the paper (blog post): “[Getting carbon markets right requires understanding local impacts of global offset projects](#).” with Yuta Masuda, Charlotte Chang, & JT

Erbaugh

Nature Research Communities. 2020. Behind the paper (blog post): “[Addressing land tenure security is key to achieving several Sustainable Development Goals. What are the blind spots in current research?](#)” With Yuta Masuda and Tzu-Wei Joy Tseng.

EXTERNAL RESEARCH SUPPORT

Co-Investigator. Generating evidence on climate change and incidence of child marriage using satellite, environmental, and social data. (2024 – 2026), with A Koski. New Frontiers Research Fund – Exploration. \$250,000.

Co-Investigator. Co-producing knowledge on exposures to heat and their impacts on child mental health. (2024-2026), with J Augustinavicius. CIHR - Global Health Research. \$100,000.

Co-Investigator. Climate Change Resilient Equitable Healthy Cities in Africa (CLARITY-Africa). (2024-2029). Wellcome Trust. £6,000,000

Principal Investigator. *Co-benefits of Natural Climate Solutions* (2021-2025). The Nature Conservancy. \$444,098.

Co-Investigator. *Bayesian spatial models for high dimension, multivariate spatial processes.* (2020-2022), with Alexandra Schmidt and Jill Baumgartner. IVADO. \$250,000.

Co-Investigator. *How do energy interventions work?* (2020-2024), with Jill Baumgartner & Samuel Harper (PIs). Health Effects Institute, Accountability Research Program. \$1,100,000 USD.

Co-Investigator. *A Network for the Resilient Management of Canada’s Natural Resources* (2019-2025), with Elena Bennett (PI) and others. Natural Science and Engineering Research Council of Canada (NSERC) Strategic Network. \$5,500,000 CAD. portion received: \$460,000.

Co-Investigator. *Air Pollution, Indoor Temperature, & Health Impacts of the Beijing Coal Ban and Heating Stove Replacement* (2018-2022), with Jill Baumgartner & Samuel Harper (PIs). Canada Institutes of Health, Project Scheme. \$952,424 CAD. portion received: \$80,000.

Principal Investigator. *Evaluating sustainable household energy transitions in a large-scale program in Beijing, China* (2017-2020), with Christopher Barrington-Leigh and XuDong Yang. Social Science and Humanities Research Council of Canada (SSHRC) Insight Development Grant. \$74,965 CAD.

Principal Investigator. *How much is investment in land tenure worth? Investigating the land tenure dividend* (2018-2020). The Nature Conservancy. \$23,316 CAD.

Co-Principal Investigator. *Pathways to Equitable Healthy Cities* (2018-2022), with Majid Ezzati (UCL) and others. Wellcome Trust - Our Planet, Our Health (Lead: Social Sciences), £5,000,000. Portion received: \$750,000 CAD. Will generate scientific evidence underpinning sustainable urban development and integrate into the policy process to improve health and reduce inequalities through in-depth scenario building in cities in 5 countries (Canada, UK, China, Bangladesh, and Ghana).

Principal Investigator. *Examining ecosystem service changes in the Miyun watershed, China through stakeholder-driven visions of the future* (2016-2017), with Rachel Maynard (MSc student). MITACS Globalink Fund. \$5,000 CAD.

Principal Investigator. *Mapping Environmental Dependency & Vulnerability* (2014-2017). Social Science and Humanities Research Council of Canada (SSHRC) Insight Development Grant. \$74,941 CAD.

Principal Investigator. *Can grassland management mitigate locust outbreaks? Implications for institutional resilience, rural adaptation, and vulnerability* (2014-2017). Le Fonds de recherche du Québec - Société et culture (FRQSC). \$50,176 CAD.

Principal Investigator. *Grasshoppers and grazing decisions: ecological-economic telecoupling in rangeland management* (2013-2018), with Arianne Cease, Jim Elser, Eli Fenichel, Joleen Hadrich, and Jon Harrison. United States National Science Foundation (NSF). Total: \$997,000 USD. To McGill: \$187,000 USD.

Principal Investigator. *Practical methods for estimating the direct contribution of ecosystem services to human well-being* (2014-2016). Chinese Academy of Sciences. \$27,256 USD.

Co-Principal Investigator. *Measuring infrastructure's impact on livelihoods through ecosystem change* (2012-2013), with Mary Ruckelshaus, Gretchen Daily and Stephen Polasky. Rockefeller Foundation. \$250,000 USD.

Principal investigator. *Designing effective and equitable policies for provision of ecosystem services in China* (2011-2013). Institute on the Environment, University of Minnesota, Postdoctoral Fellowship. \$159,636 USD.

East Asia and Pacific Summer Institutes Scholar. *Wild resources, self-governance and livelihood impacts in Yunnan, China*, (2008). National Science Foundation, East Asia and Pacific Summer Institutes Fellowship. \$10,000 USD.

Graduate Trainee. *Biodiversity Conservation and Sustainable Development in Southwest China* (2007, 2009, 2010). Integrative Graduate Education and Research Traineeship (IGERT), National Science Foundation, University of Wisconsin. Tuition + stipend for three years of graduate study.

INTERNAL RESEARCH SUPPORT

Principal Investigator. *The Landscapes and Livelihoods Collaboratory* (2023-2025), with Elena Bennett. Belier School of the Environment - Ignite Grant. \$50,000.

Co-Lead. *Sustainable Landscapes for the future* (2018-2020), with Elena Bennett and Laxmi Sushama. McGill Sustainability Systems Initiative, McGill University. \$400,000 CAD.

Co-Principal Investigator. *Policy effectiveness and household economic effects of coal-to-electricity home heating transition in Beijing Province* (2017), with Christopher Barrington-Leigh and Jill Baumgartner. Social Science & Humanities Emerging Scholar Accelerator Program, McGill University.

\$10,000 CAD.

Principal Investigator. *Land tenure security, conservation, and human well-being* (2016-2017). Social Science & Humanities Development Grants Program, McGill University. \$5,000 CAD.

INVITED ACTIVITIES

“Choice experiments to estimate the spatial provision of Natural Climate Solutions”. Gund Institute of Environmental Economics Speaker Series. University of Vermont. April 2025.

“Using nature to solve the climate crises?” TEDx Plateau Mont Royal. November 2024.

<https://www.youtube.com/watch?v=sqMbJcbfmCY>

“Using Small Area Estimation Techniques to Address Environmental and Health Challenges in Africa.” CHORUS (Community-led Responsive and Effective Urban Health Systems) Webinar Series. September 2023.

Opening remarks. McGill Sustainability Research Symposium. March 2018.

“Ecosystem Services and Earth Observations”. University of Minnesota & Natural Capital Project. Invited Participant. NASA. Jan 2018; March 2018.

“Locusts, Grasslands, & People”. Global Landscapes Initiative Launch. April 2018.

“Towards understanding landscape diversity as a driver of dietary diversity”. Invited Participant. The National Socio-Environmental Synthesis Center (SESYNC). April 2017.

“Livelihood dependence on ecosystem services in developing regions”. Gund Institute for the Environment Lecture Series. Invited presentation. Gund Institute, University of Vermont. April 2017.

“Sustainability and development in China: a view from the household level”. Mini-Science Lecture Series. Invited presentation. Trottier Institute for Science and Public Policy; McGill University. March 2017.

“Integrated land use: What do individuals and societies need from landscapes?” Invited webinar presenter to an audience of ~500. Security and Sustainability Forum. Washington DC. June 2016.

“Governing Grasslands for Social and Ecological Resilience: Sheep, Subsidies and Credit in Inner Mongolia”. Brown-bag Lecture Series “Notes from the Field”. Institute for the Study of International Development; McGill University. Invited presentation. January 2016.

“Grassland governance in Inner Mongolia”. Science and Policy Roundtable. McGill School of Environment. Invited presentation. January 2016.

“Governing the ‘Anthro-’ in the Anthropocene”. *Food for Thought* Public Lecture Series. Invited presentation at McGill Macdonald Campus. October 2015.

“Supply & Demand for Ecosystem Services” Working Group Participant. Natural Capital Project & University of Vermont. Burlington, Vermont. August 2015.

“Measuring grassland livelihoods and vulnerability.” Invited trainer for household survey development and administration. April 2015.

“Ecosystem Services & Livelihoods.” Invited presentation at Université du Québec à Montréal. November 2014.

“Who Benefits from Ecosystem Services?” Invited presentation at Beijing Forestry University. Beijing, China. August 2014.

China, Land, and Urbanization. Invited discussant for a workshop at [CIRANO](#). May 2014.

“Sustainability, Ecosystem Services & Livelihoods.” Invited presenter at McGill University’s “Soup & Science” event. Montreal, Quebec. September 2013.

“Institutions for managing the harvest of wild forest products: What can we gain?” Invited presenter at the Session in Honor of Elinor Ostrom on Common Pool Resources and Collective Action, Sponsored by The Ronald Coase Institute. International Society for New Institutional Economics Conference. Florence, Italy. June 2013.

“Meta-analysis techniques in land use studies: does secure land tenure save forests?” Invited presenter at The National Socio-Environmental Synthesis Center (SESYNC). June 2013.

“Governance of Land Change and Agricultural Systems.” Invited panel discussant. Association of American Geographers Annual Meeting. Los Angeles, California. April 2013.

“Assessing Ecosystem Service Tradeoffs.” Invited presentation at the Workshop on Ecosystem Service Assessment. Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, China. October 2012.

“Local Benefits from Ecosystem Services.” Invited presentation to World Wildlife Fund-China. Beijing, China. June 2012.

“Workshop to Develop a Monitoring System for Agriculture, Ecosystem Services and Human Well-being.” Invited participant. Bill and Melinda Gates Foundation. Palo Alto, California. December 2011.

“Workshop on Ecosystem Services and Human Well-Being.” Invited participant. Rockefeller Foundation. Palo Alto, California. December 2011.

“Land Tenure and Forest Carbon.” Invited discussant: Keynote by Dr. Arun Agrawal (U Michigan): “Explaining Multiple Outcomes on Forest Commons: Livelihoods, Carbon, and Biodiversity.” Land Tenure Center, University of Wisconsin-Madison. Madison, Wisconsin. October 2011.

Global Justice’s Student Campaign for Child Survival. Invited presenter: “How can we solve the world’s water and sanitation crisis?” University of Wisconsin-Madison. Madison, Wisconsin. April 2007.

Human Rights and Sanitation. Invited panelist. Ecological Sanitation and Manual Scavenging Panel. Massachusetts Institute of Technology. Cambridge, Massachusetts. December 2006.

ORGANIZED ACTIVITIES

Session Organizer: Pathways Consortium Meeting on Health Inequalities (virtual). Poverty & Inequality. March 2021.

Session Organizer: Paper session at the Global Land Project 4th Open Science Meeting. Land Tenure (Security) and Land Use (Change). Bern, Switzerland. April 2019.

Session Organizer: Paper session at the Global Land Project 3rd Open Science Meeting. Population Demand for Ecosystem Services and Landscape Sustainability. Beijing, China. October 2016.

Session Organizer: Paper session at the American Association of Geographers. *Frontiers in ecosystem services research: social and institutional dynamics*. San Francisco, CA. March 2016.

Session Organizer: Paper session at the American Association of Geographers. *Frontiers in ecosystem services research: social and institutional dynamics in Asia*. San Francisco, CA. March 2016.

Co-organizer: Workshop on the role of ecosystem services in infrastructure development. Hosted by the World Wildlife Fund & the Rockefeller Foundation. Meeting with representatives from USAID, the World Bank, the Inter-American Development Bank, The Nature Conservancy, the World Wildlife Fund, McGill University, University of Minnesota, and Stanford University. Washington, DC. October 2013.

PRESENTATIONS

New Vic Community of Practice Lightning Talk. “Robinson Lab work and future.” December 2024.

Soup & science. “Natural Climate Solutions: Land use change for carbon storage...and improved well-being?” September 2024.

Global Land Programme Open Science Meeting. “Quantifying Ecosystem Services (ES) under Future Climate and Conservation Agriculture.” October 2024. Presenting author: Yiyi Zhang.

Programme on Ecosystem Change and Society. “Quantifying Ecosystem Services (ES) under Future Climate and Conservation Agriculture.” August 2024. Presenting author: Yiyi Zhang.

Programme on Ecosystem Change and Society. “Understanding the Impacts of Sea Level Rise on Coastal Communities’ Health and Wellbeing: A Global Systematic Review.” August 2024. Presenting author: Gaëlle Mevel.

Association of Environment and Resource Economics meeting. “Choice experiments to estimate the spatial provision of public goods.” Seattle, July 2024.

North American Congress for Conservation Biology. “A global evidence map of human well-being and

biodiversity co-benefits and trade-offs of natural climate solutions?" Vancouver, June 2024.

Canadian Resource and Environmental Economics Association meeting. "Expenditure versus Comfort: Distributional Impacts of Beijing's Clean Heating Program." Toronto, June 2024. Presenting author: Xiang Zhang.

Geospectives. "Natural Climate Solutions. What do we know and where do they go?" Montreal, November 2023.

Pathways to Equitable Healthy Cities. "Inequalities analyses across the consortium – common threads and lessons?" Vancouver, June 2023.

Pathways to Equitable Healthy Cities. "Towards some synthesis." Vancouver, June 2023.

Soup & science. "Land, Livelihoods, and Policy in the Robinson Lab." March 2023.

Beijing Household Energy Transitions. "Emerging lessons, valuable for whom?" December 2023.

Ecological Society of America. Putting People in Ecosystem Service Models. August 2022. (presenting author: Brian E. Robinson)

Ecological Society of America. Quantifying ecosystem service flows from agricultural landscapes to people: A serviceshed approach. August 2022. (presenting author: Yiyi Zhang)

Ecological Society of America. Leveraging an open platform for accessible, next generation ecosystem service models. August 2022. (presenting author: Hugo Thierry)

International Conference on Urban Health. Old data new tricks, new data old tricks. October 2022. (presenting author: Alicia Cavanaugh)

North American Regional Science Council. Household energy transition in rural China: trends and challenges. November 2022. (presenting author: Xiang Zhang)

Ecological Society of America. Linking landscapes to people: Defining and mapping service-sheds for multiple ecosystem services. August 2021. (presenting author: Yiyi Zhang)

International Conference on Urban Health. High-resolution mapping of poverty and inequality in central Accra: household choice vs neighborhood infrastructure. July 2021. (presenting author: Alicia Cavanaugh)

Pathways Consortium Meeting on Health Inequalities (virtual). Poverty & Inequality Mapping in Ghana. March 2021. (presenting author: Alicia Cavanaugh)

Research Hub for Urban Sustainability (RHUSH) Webinar. Geographies of inequality and poverty in the Greater Accra Metropolitan area. June 2020. (presenting author: Alicia Cavanaugh).

Research Seminar – King's College London. "Household dependence on ecosystem services: disaggregation, mapping, and migration". London. September 2019.

Research Seminar – King’s College London. “Designing Environmental Policy for the Real World”. London. October 2019.

Pathways to Equitable Cities 2019 Annual meeting. “Comparing inequality in Accra, London and Vancouver”. Accra. May 2019.

Global Land Programme - Open Science Meeting. “The tenure gap: a source of land tenure insecurity in the global south.” Bern, Switzerland. April 2019.

Social Statistics & Population Dynamics Seminar Series. “Evaluating Policy Options to Incentivize Behavioral Change”. Montreal. October 2018

Land Tenure Dividend Workshop. “Measuring land tenure security”. Washington, DC. October 2018.

Research Seminar - Peking University. “Designing Environmental Policy for the Real World”. Beijing. July 2018.

Presentation to Future Earth, McGill University. “Ecosystem Services and Institutions for Sustainability.” Montreal. May 2018.

Pathways to Equitable Cities 2018. “Measuring urban socioeconomic status and inequality”. London. April 2018.

Pathways to Equitable Cities 2018. “Levers to improve health: Land tenure security, housing, and the big-picture”. London. April 2018.

World Bank Conference on Land and Poverty. “Does Strengthening Local Tenure Rights Help Fulfill Conservation Goals?” Washington, D.C. March 2017.

Global Land Project 3rd Open Science Meeting. “Landscape dependence & migration”. Beijing, China. October 2016.

International Congress of Entomology (ICE). "Grassland governance to mitigate locust outbreaks in China". Annual Meeting, Orlando, FL. September 2016.

Association of Environmental and Resource Economists. “Credit and Natural Resource Management: A Quasi-Experiment from a Rural Credit Program in Inner Mongolia, China”. Annual meeting, Breckenridge, CO. June 2016.

Association of American Geographers. “Social-ecological methods for assessing institutional change: grassland institutions and livelihood outcomes in Inner Mongolia from 1000 - 2015 CE”. Annual meeting, San Francisco, California. April 2016.

Ecological Society of America. “Methods to Measure the Value of Ecosystem Services to Human Well-Being”. Annual meeting, Baltimore, Maryland. August 2015.

Association of American Geographers. “Livelihoods and Land Use: Disaggregating the Value of

Ecosystem Services to Beneficiaries". Annual meeting, Chicago, Illinois. April 2015.

"The Relationship Between Ecosystem Services and Local Livelihoods" Lanzhou University. June 2014.

Association of American Geographers. "Ecosystem services for whom?" 2014 Annual meeting, Tampa, Florida. April 2014.

Geospectives Lecture, Department of Geography, McGill University. "Ecosystem services and Livelihoods." September 2013.

Association of American Geographers. "Is It Worth It? The Benefits, Costs and Livelihood Implications of Paying for Land Use Change." 2013 Annual meeting, Los Angeles, California. April 2013.

InVEST training event. "A Natural Capital approach to Decision-Making." University of Minnesota. June 2013.

Natural Capital Project Annual Training Event. "Ecosystem Services in China." Stanford University. March 2013.

World Bank Conference on Land and Poverty. "Does Land Tenure Save Forests?" Washington, D.C. April 2012.

Environmental and Resource Economics Seminars. "Measuring Resource Rent Captured by the Classic Management Regimes for a Class of Non-timber Forest Products." University of Minnesota, Department of Applied Economics. St. Paul, MN. October 2011.

Association of Nepal and Himalayan Studies. "Forest versus Farm Livelihoods in Tibetan Yunnan, China: Implications for Food Security." Macalester College. October 2011.

Association of Environmental and Resource Economists (AERE) summer conference. "Competition over forest products and implications for profits, food security and development in southwest China." Seattle, WA. June 2011. (Session Chair)

American Economic Association Annual Meeting. "Estimating the economic performance of self-governed natural resource management institutions in Yunnan, China." Denver, CO. January 2011.

International Association of the Study of the Commons. "The 'tragedy' of village-based management of non-timber forest products in Yunnan, China." Arizona State University – Tempe. October 2010.

Agricultural & Applied Economics Workshop. "Are there spatial spillovers in the adoption of clean technology? The case of organic dairy farming." University of Wisconsin-Madison. September 2009.

B. TEACHING

CURRENT COURSES

Fall term	Advanced Quantitative Methods , McGill University (Geog 512) Introduces students to advanced statistical techniques commonly confronted in field-based social science studies, centered around four major topics: research design, evaluating impacts of policies or programs, time series data, and spatial interactions.
Fall term	Local Geographical Excursion , McGill University (Geog 290) A field course that acquaints new undergraduate geography students with contrasting landscapes and land uses in the St Lawrence Lowlands and the Appalachian Region of the Eastern Townships (L'Estrie) of Southern Quebec. Hands-on exercises introduce students to field techniques in physical and human geography.
Fall term	Field Methods in Human Geography , McGill University (Geog 398) Field research is a primary means of acquiring data and information needed to better understand the world around us. A wide array of methods and techniques are available in human geography to acquire both quantitative and qualitative data in the field, ranging from social surveys and interviews to oral histories, participant observation and unobtrusive methods. This course introduces students to field methods, observational techniques, and data collection, processing and analysis.
Winter term	Analyzing Sustainability , McGill University (Geog 360) Examines challenges to sustainability through a series of case studies to illustrate the analytical approaches used to understand the linkages between scientific-technological, socio-economic, political-institutional, ethical, and human behavioral aspects of systems.

PAST COURSES

Fall 2013 -	Research in Sustainability , McGill University (Geog 460) Students develop their own team-based research projects on topics related to sustainability. This includes: defining and honing a research question, understanding the current state of knowledge, developing testable hypotheses or theories, selecting appropriate methods, analyzing available data, and communicating findings.
Fall 2016	
Fall 2014 -	Global People and Places , McGill University (Geog 210) Introduces students to tools and concepts used by human geographers for understanding our complex world, a vibrant mix of places and peoples, focusing on the key concepts of globalisation and localisation.
Fall 2021	
Spring 2010	Environmental Economics , University of Wisconsin-Madison (Instructor) Lead instruction in analysis of environmental issues with economic principles. Topics include market failure, pollution control, valuation methods, sustainability and international trade. One teaching assistant, 104 undergraduate and graduate students.
Fall 2009	
	Ecology and Development , University of Wisconsin-Madison (Teaching Assistant) Assisted Dr. Lisa Naughton; lectured and lead course sections on quantitative assessment of development and conservation initiatives.
Spring 2006	
	Sanitation and Human Rights in India , MIT (Teaching Assistant) Assisted Dr. Balakrishnan Rajagopal in a field-based course on human rights and sanitation, supervising 10 graduate students with field work in Gujarat, India.
Fall 2005	
	Introduction to Sustainable Development , Harvard University (Teaching Assistant) Assisted Dr. Peter Rogers and Dr. Kazi Jalal. Oversaw sections covering environmental

economics, finance and natural resources accounting.

June 2000 – June 2002	Environmental Science & Education , Sichuan University (Lecturer) Lecturer in the Department of Environmental Science and Engineering. Taught classes on environment science, urbanization, outdoor education and leadership.
Spring 2000	Habitable Planet , Georgia Institute of Technology (Ga Tech) (Teaching Assistant) Held laboratory classes for undergraduate students. ~25 students.
Fall 1999 – Spring 2000	Geology , Georgia Institute of Technology (Ga Tech) (Teaching Assistant) Held laboratory classes for undergraduate students. ~25 students.

GUEST LECTURES

Fall 2023	Field survey design (PPHS 602: Foundations of Population Health, McGill U)
Fall 2022	Field survey design (PPHS 602: Foundations of Population Health, McGill U)
Fall 2021	Field survey design (PPHS 602: Foundations of Population Health, McGill U)
Winter 2019	Statistical analysis & Data (GEOG 631: Methods of Geog Research, McGill U)
Winter 2018	Statistical analysis & Data (GEOG 631: Methods of Geog Research, McGill U)
Winter 2017	Statistical analysis & Data (GEOG 631: Methods of Geog Research, McGill U)
Winter 2017	Payment for Ecosystem Services (GEOG 360: Analyzing Sustainability, McGill U)
Winter 2016	Project evaluation and discounting (EPIB 529: Environmental Health, McGill U)
Fall 2015	Social Autonomy & Sustainability (CIVE 546: Design for Sustainability, McGill U)
Fall 2015	Payment for Ecosystem Service Programs (ENVR 650: Env Seminar, McGill U)
Fall 2015	Data analysis (GEOG 631: Methods of Geog Research, McGill U)
Winter 2015	Sustainable growth (MGPO 440: Strategies for Sustainability, McGill U)
Winter 2015	Project evaluation and discounting (EPIB 529: Environmental Health, McGill U)
Fall 2014	Ecosystem services (ENVR 201: Society, Env & Sustainability, McGill U)
Fall 2014	Data analysis (GEOG 631: Methods of Geog Research, McGill U)
Winter 2014	Cost-benefit analysis (GEOG 360: Analyzing Sustainability, McGill U)
Winter 2014	Project evaluation and discounting (EPIB 529: Environmental Health, McGill U)
Winter 2012	The tragedy of the commons in game theoretic terms (Game Theory, U Minn)

PROFESSIONAL DEVELOPMENT

Spring 2024	Inclusive Teaching Initiative , Work with McGill to develop inclusive pedagogies and curricular approaches and to cultivate more inclusive and anti-racist classrooms
Spring 2018	Using Peer Assessment to Make Teamwork Work , McGill Graduate & Postdoctoral Services. Evaluate strategies to use peer learning to enhance the classroom experience
Spring 2018	Strategies to Support Active and Collaborative Learning , McGill Graduate & Postdoctoral Services. Learn new ways to enhance the learning experience through active and collaborative learning techniques.
Fall 2014	Supervisor Workshop: Clarifying Expectations , McGill Graduate & Postdoctoral

	Services. Set the goals and outcomes, and focus on writing an agreement that makes explicit the expectations within the supervisory relationship.
Fall 2014	Supervisor Workshop: Supervisory Alliance , McGill Graduate & Postdoctoral Services. Introduction to a framework to discuss this relationship between supervisor and supervisee in terms of the Bond, Goals, and Tasks.
Spring 2014	Course Design Workshop , McGill Teaching & Learning Services. Strategies to enhance student learning through full course redesign.
Summer 2014	Active Learning Workshop , McGill Teaching & Learning Services. Effective teaching strategies in an “Active Learning” classroom.

SELECTED HONORS AND AWARDS

2013 – 2014	Professor of the Year , McGill Undergraduate Geography Society
2010	Selected Paper , Climate Change, Agriculture, & Food Security (CGIAR) (\$5,000)
2010	Vilas Travel Award , U Wisconsin (\$600)
2010	Nelson Institute Conference Travel Award , U Wisconsin (\$250)
2009	Coase Fellow , Ronald Coase Institute (\$2,000)
2008	Foreign Language and Area Studies Fellowship for Chinese – 2008

C. ACADEMIC SERVICE

LEADERSHIP ACTIVES

University

2021–	Director, Sustainability Science & Society BASc Degree Program
2023–2025	co-Founder, The Landscapes and Livelihoods Collaboratory (TLLC)
2021–2024	University Committee on Student Discipline
2018	Mentor for International Development Studies Student Association Journal
2017 – 23	Co-Lead, McGill Sustainability Systems Initiative (Landscapes Theme)
2016 – 18	Committee member, Inst. for the Study of International Development Speaker Series
2016	Faculty representative, McGill’s Vision 2020 Education Action Team
2016	Faculty search committee, Resource Economics (Natural Resource Science Dept)
2014 – 17	Director of the Sustainability, Science & Society BASc Degree Program

Faculty of Science

2014 – 19	Interfaculty Bachelor of Arts and Sciences Program Advisory Committee
-----------	---

Geography Department

2023 –	Geography Awards Committee
2021 – 22	Graduate Affairs Committee
2020 – 22	Department Tenure Committee

2018/2019	Faculty search committee, Global Health Geography
2016	Search committee, Director of the Geographic Information Centre
2014/2015	Faculty search committee, Sustainability Science position
2014/2015	Geography Representative to McGill's Neotropical Option

American Association of Geographers

2013 – 2017	Director, Human Dimensions of Global Change
-------------	---

CONTRIBUTIONS TO TRAINING

Postdoctoral Fellows [8]

2022 – 2024	Geoff Wells
2020 – 2023	Hugo Theirry
2019 – 2023	Alicia Cavanaugh
2020 – 2022	Jesse Rieb
2019 – 2022	Honor Bixby (with Jill Baumgartner)
2019 – 2022	Marie Dade (with Elena Bennett)
2018 – 2020	Sarah Harris
2018 – 2019	Janine Baijnath-Rodino (with L. Suchama)

Graduate Students [8]

2023 –	Gaëlle Mével	MSc; PhD
2020 – 2025	Yiyi Zhang	PhD
2018 – 2025	Xiang Zhang (with Christopher Barrington-Leigh)	PhD
2014 –	Holly Cronin	PhD
2016 – 2023	Xi Lu	PhD
2018 – 2020	Lingyu Zhou	MS
2015 – 2017	David Crook	MS
2015 – 2017	Rachel Maynard	MS

Visiting Scholars [3]

2025 – 2026	Yu Zhang; Tianjin University	PhD
2017 – 2019	Shuming Ma; Dalian University	Postdoc
2018 – 2019	Wenjia Peng; Chinese Academy of Sciences	PhD
2015 – 2017	Ma Sai; Wuhan University	PhD

Committee member [22]

2024	Mackenzie Johnston; Geography (Advisor: Grant Mackenzie)	MSc
2023	Laurianne Debanné, Geography (Advisor: Mylene Riva)	PhD

2023	Yichun Du, Geography (Advisor: Kevin Manaugh)	PhD
2021	Jacqueline Hamilton, Natural Resource Science (Advisor: E Bennett)	PhD
2021	Joseph Gazing Wolf, Sustainability, Arizona State U (Advisor: A Cease)	PhD
2020	Catherine Destrempe, Natural Resource Sciences (Advisor: Elena Bennett)	MSc
2020	Ehsan Pashanead, Earth & Env Sciences, UBC-Okanagan (Advisor: L Parrott)	PhD
2020	Gabrielle Virgili-Gervais, Biostatistics (Advisor: Alexandra Schmidt)	MSc
2019	Olivia del Giorgio, Geography (Advisor: Yann le Polain)	MA
2018	Kerstin Schreiber, Geography (Advisor: Graham Macdonald)	PhD
2018-20	David Poissant, Geography (Advisor: Oliver Coomes)	MA
2018-20	Daniel Zayonc, Geography (Advisor: Oliver Coomes)	MA
2017	Eranga Galappaththi, Geography (Advisor: James Ford)	PhD
2016-19	Antonia Sohns, Geography (Advisor: James Ford)	PhD
2016-18	Penny Barnes, Geography (Advisor: Bernhard Lehner)	MA
2016-18	Fanny Boudet, Geography (Advisor: Graham MacDonald)	MA
2016-18	Frédérique Pellerin-Catellier, Nat Res, UQ-Outaouais (Advisor: Jérôme Dupras)	MA
2015-20	Jesse Rieb; Natural Resource Sciences (Advisor: Elena Bennett)	PhD
2015-18	Bernhard Huber; Geography (Advisor: Sarah Turner)	PhD
2015-18	Hm Tuihedur Rahman; Natural Resource Sciences (Advisor: Gordon Hickey)	PhD
2015-17	Melody Lynch; Geography (Advisor: Sarah Turner)	MA
2014-16	Dylan Putzel; Geography (Advisor: Sarah Turner)	MA

Internal Examiner [9]

2025	Olivia del Giorgio; Geography (Advisor: Yann le Polain)	PhD
2025	Patrick Slack; Geography (Advisor: Sarah Turner)	PhD
2022	Yao Jian; Geography (Advisor: Kevin Manaugh)	MA
2018	Dipto Sarkar; Geography (Advisor: Raja Sengupta)	PhD
2016	Bernhard Huber; Geography (Advisor: Sarah Turner)	PhD
2016	Dylan Clark; Geography (Advisor: James Ford)	MA
2015	Gillian Gregory; Geography (Advisor: Oliver Coomes)	PhD
2014	Jean-François Rousseau; Geography (Advisor: Sarah Turner)	PhD
2014	Sarah Wilson; Geography (Advisor: Oliver Coomes)	PhD

External Examiner [11]

2025	Gabriella Torchio, Nat. Resources, U Laval (Advisor: Monique Poulin)	PhD
2025	Ehsan Pashanead, Earth & Env Sciences, UBC-Okanagan (Advisor: L Parrott)	PhD
2022	Andrea Allatorre, Nat. Resources, UQ-Outaouais (Advisor: Jérôme Dupras)	PhD
2021	Mathis Messager, Geography (Advisor: Bernhard Lehrner)	PhD
2021	Patrick Slack, Geography (Advisor: Sarah Turner)	PhD

2018	Kate Reilly, Bioresource Engineering (Advisor: Jan Adamowski)	PhD
2016	Luz Ignacia Holmes-Cheyre (Advisor: Catherine Potvin)	PhD
2016	Ando Aulia; Geography; Flinder's University (Advisor: Andrew Millington)	PhD
2015	Divya Sharma; Biology (Advisor: Catherine Potvin)	MS
2014	Tingting Wu; Natural Resource Sciences (Advisor: Paul Thomassin)	PhD
2013	Matthew Mitchell; Natural Resource Sciences (Advisor: Elena Bennett)	PhD

Undergraduate Student Supervision [23]

2025	Adele Valero; Sustainability, Science & Society	Independent research project
2025	Simon Lindsay-Stoddart; Sust Science & Society	Research assistant
2024	Aidan Maddock; Geography	Honours Thesis (reader)
2024	Kailin Lin; Geography	Honours Thesis (reader)
2023	Elinor Rosenberg; Geography	Honours Thesis
2024	Evie Settin; Geography	Research assistant
2022	Felix Todd; Geography & Sociology	Honours Thesis
2021	Ethan Bird; Geography	Honours Thesis
2020	Zoey Richards; Sustainability, Science & Society	Honours Thesis
2019	Diwei Zhu; Sustainability, Science & Society	Arts Undergrad Research Award
2019	Maximillian Magnacca; Economics	Research assistance
2017	Aidan Goertzen; Sustainability, Science & Society	Research assistance
2016	Marina Smailes; Sustainability, Science & Society	Fac Sci Undergrad Research Award/ Research assistance
2016	Jeffrey Sauer; Geography	Independent research project
2015	Victoria Xie; International Development	Honours thesis
2015	Sarah Popov; Sustainability, Science & Society	Honours thesis
2015	Matthew King; Sustainability, Science & Society	Independent research project
2015	YuChan Mei; Civil Engineering	Research assistance
2015	Juliette Cook; Geography	Independent research project
2015	Ansel Renner; Sustainability, Science & Society	Fac Sci Undergrad Research Award
2014	Ansel Renner; Sustainability, Science & Society	Honours thesis
2014	Frederic Hoffmann; Geography	ESRI Fellowship Mentor & Ind. Study
2014	Jiang Mao; International Development	Research assistance
2013	Melody Lynch; Geography	Research assistance

UNIVERSITY COMMUNITY-BUILDING ACTIVITIES

2015	McGill Institute for the Study of International Development (ISID), Dissertation Workshop Discussant
------	--

2014 - 2016 McGill Sustainability Symposium, steering committee
2014 - 2016 McGill Sustainability Symposium, poster competition judge

JOURNAL EDITORIAL ACTIVITIES

Geography and Sustainability. Founding editor (2020- present)
Ecological Applications, Guest editor (2014)

EXTERNAL GRANT REVIEW

Swiss National Science Foundation. 2023. The Security and Environmental Impact of Land (in)security in High-Migration Context.
US National Science Foundation. 2023. Global Centers: Use-Inspired Research Addressing Global Challenges in Climate Change & Clean Energy.
SSHRC Banting Postdoctoral Review Committee. 2023.
SSHRC Banting Postdoctoral Review Committee. 2022.
UK Natural Environment Research Council. 2019. UKRI Strategic Priorities Fund Landscape Decisions: Mathematical and Statistical Challenges.
US National Science Foundation. 2015. Behavioral and Social Sciences.

BOOK EDITORIAL REVIEW

Fisher, B, R Naidoo, and T Ricketts. 2015. A Field Guide to Economics for Conservationists. Roberts & Company Publishers: Greenwood Village, CO, USA. 208 pages.

JOURNAL REVIEWER (since year)

Ambio (2015)
Biological Conservation (2016)
Ecological Applications (2013)
Ecological Economics (2011)
Ecological Modelling (2012)
Ecology & Society (2010)
Ecosystem Services (2012)
Environment & Planning A (2013)
Environmental & Resource Economics (2012)
Environment & Development Economics (2023)
Environmental Conservation (2017)
Environmental Management (2011)
Environmental Research Letters (2023)
Environmental Research Communications (2023)
Frontiers in Ecology and Environment (2015)
Journal of Mountain Science (2013)
Land Economics (2011)
Land Use Policy (2015)
Nature Communications (2017)
Proceedings of the National Academy of Sciences (2013)
Resource & Energy Economics (2013)
Scientific Reports (2015)
Society and Natural Resources (2011)

World Development (2011)

D. OTHER

PROFESSIONAL EXPERIENCE

Camp, Dresser & McKee (CDM, Inc.), Water Resource Engineer, Cambridge MA, 2005-2006
Peace Corps Volunteer, Sichuan University, China, 2000-2002

MISCELLANEOUS INFORMATION

Languages: competent in Mandarin Chinese (competent), Spanish (intermediate), French (beginner), Portuguese (beginner)
Statistical Programs & Computer Languages: ArcGIS, MatLab, Stata, Gauss, VBA, Fortran
Field Experience: China, Canada, India, Kenya, Mozambique, Senegal, United States